

## PROJECT 10073 RECORD CARD

1. DATE  22 August 1956	2. LOCATION  Bornholm, Denmark	12. CONCLUSIONS  <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon  <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft  <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input checked="" type="checkbox"/> ANOMALOUS  <input checked="" type="checkbox"/> Other <u>Frophagation</u> <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
3. DATE-TIME GROUP  Local _____ GMT 22/2050Z to 2359Z	4. TYPE OF OBSERVATION  <input checked="" type="checkbox"/> Ground-Visual <input checked="" type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar	
5. PHOTOS  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. SOURCE  <i>Relayed by Wgo USSR</i> Bornholm Radar,	
7. LENGTH OF OBSERVATION  approximately 3 hours	8. NUMBER OF OBJECTS  four	9. COURSE
10. BRIEF SUMMARY OF SIGHTING  Radar first reported 2-3 objects on an easterly heading at 700 knots, no altitude given. Approximately 2 hours later 4 appeared, but were orbiting over the location (53 dgr, 30 min N - 18 dgr 00 min E) at 25,000ft altitude and 700 knots. About 1½ hours later tracks faded.	11. COMMENTS  The appearing & disappearing of tracks on the radar scope is characteristic of "spurious blips." The fact that the objs were "orbiting" over one spot at 700 knots supports this conclusion. Location surveyed is approximately 50 miles south of Danzig, Poland. The above characteristics (orbit at high speed) make it highly improbable these objects, if active, were Soviet guided missiles.	

ATIC FORM 329 (REV 26 SEP 52)



## JOINT MESSAGEFORM

SECURITY

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

UNCLASSIFIED

PRECEDENCE ACTION	PRIORITY INFO	TYPE MSG (Check) BOOK    MULTI    SINGLE X	ACCOUNTING SYMBOL	ORIG. OR REFER. Msg 57218 dtd 9 Oct 56	SPECIAL INSTRUCTIONS								
<p>FROM: CONNIE ATIC</p> <p>TO: D/I USAF HQS WASHINGTON D.C.</p> <p>FROM: AFCON-X</p> <p><b>REBROADCAST</b> REFERENCE YOUR MESSAGE 57218 DATED 9 OCTOBER 1956 REGARDING REQUEST FOR EVALUATION OF LANTERNRAIL AND BORNHEIM SIGHTINGS. EVALUATION OF BORNHEIM SIGHTING SUBMITTED TO D/I. HEADQUARTERS, USAF ON 31 AUGUST 1956. CITE AFCON-2A1-55586. ALSO MEMO ON SAME SUBJECT TO GENERAL LEWIS, SCIENTIST. THRU AFCON-X, 4 OCTOBER 1956. EVALUATION OF LANTERNRAIL SIGHTING SUBMITTED TO D/I. HEADQUARTERS USAF ON 11 SEPTEMBER 1956. CITE EQI 485 AND 1DQ 7-3251. INFO COPIES TO CIRCULATE. ALEXANDER CHROMATY WITH PASS ON TO 3910TH COMAECHU, ENGLAND.</p> <p>COORDINATION: AFCON-XA <u>H. H. McKey</u> DATE <u>10/10/56</u> AFCON-XE <u>Dr. H. H. McKey</u> DATE _____ AFCON-XE <u>Col H. M. Gilbert</u> DATE _____ AFCON-XL <u>Mr. R. J. Gregor</u> DATE _____</p> <p>DEGRADED AT 3 YEAR INTERVALS. DECLASSIFIED AFTER 12 YEARS. DOD DIR 5200.10</p>					<p>Classification Cancelled (or changed to <u>CONFIDENTIAL</u>) Auth <u>Quinton</u> By <u>John</u> Date <u>27 Oct 69</u> AFL 205-1-pm-126</p> <table border="1"> <tr> <td>DATE</td> <td>TIME</td> </tr> <tr> <td>10</td> <td>1400</td> </tr> <tr> <td>MONTH</td> <td>YEAR</td> </tr> <tr> <td>OCT</td> <td>56</td> </tr> </table>	DATE	TIME	10	1400	MONTH	YEAR	OCT	56
DATE	TIME												
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AFCON-X	<u>Capt S. T. Gregory / Lt. J. D. Gregory</u> <small>TYPED NAME AND TITLE (Signature, if required)</small>												
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1750FT 49 TYC19 SHOT 569

1. REPORT

2. RUEPHQ 344

181647Z

3. MEDUSAF WASHDC

TO COMDR ATIC WPAFB OHIO

UCLAS FROM AFQIN 43261 YOUR IC 40815 AND AFQIN 55646 DATED 15  
JAN 56. HAS REQUESTED DATA BEEN RECEIVED? IF SO AND YOUR  
EVALUATION SENT HERE, REQUEST CITE NUMBER

1825Z JAN RUEPHQ

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UNCLASSIFIED

Classification Cancelled  
(or changed to UNCLASSIFIED)  
Auth [Signature] USAF  
By [Signature] USAF  
Date 27 Jan 69

AFC/AF-1/2A-126

23 Aug 56 00 17

..... ZZ RAEEN RJEDWP RJEEN RJEDWP SUPVR RJEHQ

FOLLOWING MSG RELAYED TO COMDR ADGENT AFB COLO AND COMDR ATIC WPAFB  
OHIO BY REQ OF AFQIN HQS USAF WASHDC

RJDLEJ 1B

PARAPHRASE NOT REQUIRED EXCEPT PRIOR TO  
CATEGORY B EXECUTION. MANUALLY REMOVE  
ALL INTERNAL REFERENCES BY DATE-TIME GROUP  
PRIOR TO DECLASSIFICATION

FM FRE BUCKS ENG  
TO RJEHQ/COFS USAF WASHDC ATTN JWRA  
BT

462. SHAPE AIR DEPUTY HAS REQUESTED FOL UNUSUAL INFO  
BE PASSED TO INDICATIONS CENTER. D/INTEL USAF. AT APPROX 22/0850Z 222110Z  
BORNHOLM RADAR PICKED 3 TO 5 UNIDENTIFIED OBJECTS 533°N 180°E SPEED  
1000KTS  
(LATER 800KTS). 25000 FT COURSE SOUTH TO NORTH CONTINUALLY TRACKED  
AT APPROX 22/0910 COURSE CHANGED TO WESTERLIN NO BORDER VIOLATION.  
SHAPE AD CONTINUING TO MONITOR. FRE HAS OFFERED ON-LINE COMMUNICATIONS  
BETWEEN SHAPE AD AND USAF AND WILL CONTINUE STANDING BY FOR ANY  
FURTHER INFO.

BT

To stamp upon  
which ever  
is more  
recent  
UNCLASSIFIED

1-4F4  
2-4F2  
3-4F3  
4-4F2a/bc

RECLASSIFIED AT 20 YEARS INTERVALS;  
RECLASSIFIED AFTER 10 YEARS.  
Incl #1 DOD DIR 6200.10

UNCLASSIFIED

ACTION

PARAPHRASE NOT REQUIRED EXCEPT PRIOR TO  
CATEGORY **A** TURN 0017 PHYSICALLY REMOVE  
BY DATE-TIME GROUP  
PRIOR TO DECLASSIFICATION

\*\*\*\*\*22 RJEDEN RJEDWP  
RJEDEN RJEDWP SUPVR RJEHQ  
FOLLOWING MSG RELAYED TO COMDR ADC ENT AFB COLO AND COMDR ATIC WPAFB  
OHIO BY REQ OF AFQIN HQS USAF WASHDC

\*\*\*\*\*22 RJEHQ  
DE RJDLEJ 2B

FM FRE BUCKS ENG  
TO COFS USAF WASHDC ATTN JWRA  
BT

1-4E4  
2-4F2  
3-4F3  
4-4X ~~2000~~ JC

D 463. REOUR S-462 DTG 1 FOR INDICATIONS CENTER  
D/INTEL USAF. SHAPE AD HAS AMPLIFIED AS FOLLOWS:  
22/2220Z TELEPHONE IWO BORNHOLM WEVFT CUT. TELETYPE IS ADDING 10 MIN  
DELAY.

22/2235Z ORIGINAL TRACKS ORBITING OVER ORIGINAL POSITION 533°N  
180°E 700 KTS 25000 FT (IDENTIFIED AS 3 TRACKS)  
SHAPE AD REQUEST ANY INFO YOU MAY HAVE.  
BT

Classification Cancelled

(or changed to UNCLASSIFIED)

Auth Quintonville, LT COL, USAF

By TRPT (AFS)

Date 22 Jan 69

APL 225-1 para 1-126

RECORDED AT 8000' INTEGRAL S;  
2000' DUE TO TURBULENCE.

UNCLASSIFIED

UNCLASSIFIED

ACTION

23 JAC  
PARAPHRASE NOT REQUIRED EXCEPT PRIOR TO  
CATEGORY B ENCRYPTION - PHYSICALLY REMOVE  
ALL INTERNAL REFERENCES BY DATE-TIME GROUP  
PRIOR TO DECLASSIFICATION

\*\*\*\*\* ZZ RJEDEN RJEDWP  
RJEDEN RJEDWP SUPVR RJE.PHQ  
FOLLOWING MSG RELAYED TO COMDR ADC ENT AFB COLO AND COMDR ATLC WPAFB  
OHIO BY REQ OF AFOIN HQS USAF WASHDC

ZZ RJE.PHQ  
DE RJDLEJ 3B

FM FRE BUCKS ENG  
TO COFS USAF WASHDC ATTN JWRA  
BT

RE MY -462 DTG FOR INDICATIONS CENTER D/I USAF  
CORRECT TIMES TO  
READ 222050Z AND 222110Z RATHER THAN ~~2249850Z~~ AND ~~220910Z~~  
ADDITIONAL INFO FROM SAHPE AD: 22/2310Z 4TH TRACK (NEW) 5330  
180°E EASTERLY HEADING 70° KTS ALT UNK.  
BT

DOWNGRADING AT 3 YEAR INTERVALS  
DECLASSIFIED AFTER 12 YEARS  
REF ID: A620910

Find # 3

1-4 E 4  
2-4 F 2  
3-4 F 3  
4-4 X 2

Classification Cancelled  
(or changed to UNCLASSIFIED)

Auth. Amerson, LT COL USAF  
By TRPT (UFC)  
Date 27 Jan 69  
AFR 005-1 para 4-26

UNCLASSIFIED

ZZ RJE DEN. RJE DWP UNCLASSIFIED [REDACTED] ACTION  
RJE DEN RJE DWP SUPVR RJE PHQ  
FOLLOWING MSG RELAYED TO COMDR ADC ENT AFB COLO AND COMDR ATIC WPAFB  
CHIO BY REQ OF AFOIN HQS USAF WASHDC

ZZ RJE PHQ  
DEARJDLEJ 1B

FM FRE BUCKS ENG  
TO COFS USAF WASHDC ATTN JWRA  
BT

S-465 FOR INDICATIONS CENTER D/I USAF. RE MY S-462  
S-463 AND S-464. SHAPE AD PASSES FOLLOWING:  
22/23 59Z LAST TRACK FADED. NOTHING ON SCOPE.  
WILL CLOSE DOWN THIS CIRCUIT WITH THIS MSG.

DECLASSIFIED AT 10-YEAR INTERVALS;  
DOD DIR 8510.10  
10 YEARS.

74ct # 9

UNCLASSIFIED

*JK* 23 Aug 56 00 10  
**A** PARAPHRASE NOT  
CATEGORY 2 BY  
ALL INTERNAL RE  
PRIOR TO DECLASSIFICATION

PRIOR TO  
FULLY REMOVE  
BY DATE-TIME GROUP

1-4E4

2-4F2

3-4F3

4-4X2

~~Classification~~ Cancelled  
(or changed to ~~UNCLAS~~)  
Auth. Quinton J. Co., USAF  
By TTDPT (CUSA)  
Date 27 Jan 69  
AFR 205-1 para 1-26

*See*  
ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED BY DATE-TIME GEN.  
PRIOR TO DECLASSIFICATION

**ACTION**

PP RJEDWP  
DE RJEHQ 168

FM HEAD HQ USAF WASH DC  
TO COMATIC WPAFB OHIO  
BT

30 Aug 56 07 35

**UNCLASSIFIED**

FROM AFOIN -2A1 55586 FOLLOWING SERIES OF MESSAGES FROM  
BUCKS ENGLAND TO COFS USAF WERE PASSED TO AFOIN-4 ON 22 AUGUST 56:

S-462,  
S-463,  
S-464,  
S-465,

Classification Cancelled

(or changed to ~~SECRET~~)

Auth. *J. W. Gentry* USAF  
By *ADPT (WFO)*

REQUEST YOUR EVALUATION OF INFO CONTAINED IN ABOVE CITED MSGS, TO 272-269  
REACH THIS HQ BY 4 SEPT 56 FOR FORWARDING TO AIR DEPUTY, SHAPE. *Attn: D-5, J. W. Gentry*

1) 4F4  
2) 4F4  
3 - ~~4F2~~ 4F2  
4 - 4X2a

*Susp*      *Note*  
*8/31/56*  
*-gje*

**UNCLASSIFIED**

1 AT 2100Z 27 AUG 56  
2ND AND 3RD 28 AUG 56  
DOD DIR 3200.10

## MEMO ROUTING SLIP

NEVER USE FOR APPROVALS, DISAPPROVALS,  
CONCURRENCES, OR SIMILAR ACTIONS

1 NAME OR TITLE <b>DR. MILEY</b>	INITIALS <b>Hm</b>	CIRCULATE
ORGANIZATION AND LOCATION <b>AFOIN-4E4</b>	DATE <b>4/9/53</b>	<input checked="" type="checkbox"/> COORDINATION
2 Col. GILBERT		FILE
AFOIN-4E		INFORMATION
3 MR. ARCIER	<b>4/9</b>	NECESSARY ACTION
AFOIN-9X	<b>9/4/18</b>	NOTE AND RETURN
4 RETURN TO: Capt. GREGORY		SEE ME
AFOIN-4E4		SIGNATURE

## REMARKS

Evaluation and other comments  
on the Borinholmy sightings as requested  
by HQ USAF - deadline date  
4 Sept 1956.

We feel that this is the best  
evaluation and guidance that can  
be offered from this side of the  
ATLANTIC in view of the limited  
date submitted.

## FROM NAME OR TITLE

**Capt. Gregory**

## DATE

## ORGANIZATION AND LOCATION

**4E4**

## TELEPHONE

DD FORM 95 FEB 50

Replaces DA AGO Form 895, 1 Apr 48, and AFHQ Form 12, 10 Nov 47, which may be used.

16-18487-4 GPO \*

f. Bornholm Case (RAF Base): The "electronics-temperature inversion" approach towards explaining this sighting submitted to CINCUSAFE and HQ USAFE was considered appropriate, considering the limited information.

### Bornholm Case II

There is insufficient track data to determine the nature of the track - whether it is erratic, changing speed and direction rapidly, (as is usual in most of these sightings) or whether the acceleration and course changes are smooth.

The reference to picking up "3 to 5 unidentified objects" at time 0850Z at least infer that the targets were not steady, but were appearing and disappearing. If this is true, these targets are acting in a similar manner to those sighted at Lakenheath, and appear, therefore, to possibly due to anomalous propagation or noise returns.

As in the other sightings, it is not possible to make a thorough evaluation without scope photos, more complete track position and time data, weather information, (temperature inversion, moisture lapse data) etc., etc.

Carey by

W. Bryant

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

UNCLASSIFIED

158E  
28/1911/ar

PRECEDENCE		TYPE MSG (Check)			ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE	
ACTION	ROUTINE	BOOK	MULTI	SINGLE			AFOIN 43261	

INFO  
FROM: COMDR ATIC  
TO: DI HQ USAF WASH DC

SPECIAL INSTRUCTIONS  
UNCLASSIFIED

Classification  
(or changed to) Cancelled  
Auth. \_\_\_\_\_  
By \_\_\_\_\_  
Date 27 Jan 69

REREFERENCE YOUR TT MESSAGE AFOIN 43261 REGARDING BORNHOLM UFO SIGHTING. DETAILED DATA REQUESTED TO FORM FINAL CONCLUSIONS NOT RECEIVED AS YET. HOWEVER ALL DATA STRONGLY POINT TO ANOMALOUS PROPAGATION. ALSO REFERENCE PERSONAL MEMO TO GENERAL LEWIS DATED 4 OCT 56 RE QUERY WHETHER UFOS GUIDED MISSILES. UNLIKELY THAT CURRENT EVALUATION WILL CHANGE, UNLESS REQUESTED DATA OF SUCH UNUSUAL NATURE AS TO DICTATE OTHERWISE.

DEGRADED AT 3 YEAR INTERVALS:

DECLASSIFIED AFTER 12 YEARS.

DOD DIE 5200.10

COORDINATION

AFOIN-4E4 Henry A. Miley DATE 23/1/57  
Dr. Henry A. Miley

AFOIN-4E1 R. L. James DATE 23 Jan 57  
for Col Hoffman

4X1 Gracemillius 25 Jan  
+X2 Chic Yang 25 Jan

10-518  
12 Jul 65  
(28ar)

DATE 25	TIME 1100
MONTH JUL	YEAR 65

SYMBOL	AFOIN-4E4		
WRITER	TYPED NAME AND TITLE (Signature if required) Capt G. T. Gregory		
PHONE	69216	PAGE NR.	1
SE	NR. OF PAGES		

SIGNATURE	Robert E. O'Connor	
RELEASED	TYPED (or stamped) NAME AND TITLE	
RELEASER	ROBERT E. O'CONNOR Captain, USAF Assistant Adjutant	

ROUTING	COORDINATION
	AFOIN-4
	AFOIN-4X2b
	AFOIN-4E1
	AFOIN-4X2c
	AFOIN-4X3
	AFOIN-4X4
	AFOIN-4B
	AFOIN-4C
	AFOIN-4D
	AFOIN-4E
	AFOIN-4F
	OTHERS

UNCLASSIFIED

FILE CLASS: UNCLASSIFIED  
OFFICIAL FILE COP'

OFFICE OF RECORD

Report for Analysis - UFO Radar Reports from  
Bornholm, England

AFOIN-4E4

23 Aug 56

4E4/Capt G.T. Gregory/vm  
69215

1. In accordance with established ATIC policies for the review and analysis of ~~AFOIN-4X3~~ reports, request your analysis and comments of the attached four reports with respect to the radar and related aspects of the phenomena reported.

AFOIN-4X4 The reports originated from the FRC in England and are believed related to the same sightings reported by the SAC Commander, 3910th Bomb Group, England and AFMIDCOMFAW, Wiesbaden, Germany. A request for a review and analysis of these sightings was submitted to your office by DF, dated 23 August 56.

3. A copy of these reports has been submitted to the Commander's office, as they are considered out of the ordinary, and warrant attention of higher echelons.

AFOIN-4B

If inclosures 1, 2, 3, & 4 are withdrawn (or not attached), the classification of this correspondence will be downgraded to ~~CONFIDENTIAL~~ in accordance with ~~AFR 205-1~~.

*Henry A. Miley*  
HENRY A. MILEY  
AFOIN-4E4

1. TT, S 462, 22 Aug 56

AFOIN-4C(T56-19342-5)

2. TT, S 463, 22 Aug 56

(T56-19344-5)

3. TT, S 464, 23 Aug 56

(T56-19343-5)

4. TT, S 465, 23 Aug 56

(T56-19341-5)

AFOIN-4D

AFOIN-4E

AFOIN-4F

CLASS: UNCLASSIFIED  
DECLASSIFICATION: 27 Jan 69  
DOD DIR 5200.10

Classification Cancelled  
(or changed to UNCLAS)

Auth John T. Miley, USAF, USAF

By TDOT (AFIC)

Date 27 Jan 69

AFR 205-1 para 1-12

PERM	
TEMP	
90 DAYS	
INITIAL	

UNCLASSIFIED

f. Bornholm Case (RAF Base): The "electronics-temperature inversion" approach towards explaining this sighting submitted to CINCUSAFE and HQ USAFE was considered appropriate, considering the limited information.

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Finally by  
W.D. Bryant

UNCLASSIFIED

JOINT MESSAGEFORM

COMMUNICATIONS CENTER NO.

10789

ROUTING  
AUG 21 1956  
Initials  
Time 151200Z  
Checked By

ROUTING CANCELLED  
INITIALS X  
TIME 151200Z  
CHECKED BY

FROM: (Originator)

COMDR ATIC

TO:

DT HQ USAF WASH DC

RJEPHQ

INFO: H43

COMDR 4602d AISS, ENT AFB  
COLORADO SPRINGS, COLO

RJEDEN

FROM: AF0IN-4E4

Ref msg AF0IN-2A1-55586, dtd 29 Aug 56 regarding your series of TT Msgs S-462,

S-463, S-464 and S-465, all dtd 22 August 1956 on Bornholm UFO sighting submitted by FRE, Bucks, England.

PART I: Information submitted on UFO limited and incomplete upon which to make proper evaluation or to arrive at some firm conclusion or determination regarding origin or nature of radar sighting. More thorough analyses would require such pertinent information as radar scope photos, weather data, including information on temperature inversions, moisture lapse data, accurate tabulation of related times, places, bearings, altitudes, angular velocities of sightings, both visual and electronic, type radar equipment, etc.

PART II: The type of information cited above can indicate whether objects observed solid or due to unusual weather conditions i.e. anomalous propagation. Examples: a number of blips appearing and disappearing intermittently are characteristic of weather returns on radar. Unusual weather conditions may also

UNCLASSIFIED



PAGE 1 OF 23 PAGES

ROUTING

## JOINT MESSAGEFORM

COMMUNICATIONS CENTER NO.

REF ID: A1126  
CLASSIFICATION: UNCLASSIFIED(or changed to UNCLASSIFIED)  
Auth. By *Quinton L. Black, USAF*  
Date *27 Jun 67*DOWNTIME  
DETERMINED AT 12 YEARS.  
DOD DIS 5200.10

SPACE ABOVE FOR COMMUNICATIONS CENTER ONLY

FROM: (Originator)

COMDR ATIC

TO:

DI HQ USAF WASH DC

PRECEDENCE | ACTION  
FOR: PRIORITY | INFORMATION BOOK MESSAGE ORIGINAL MESSAGE MULTIPLE ADDRESS

CRYPTOPRECAUTION

 YES NO

REFERS TO MESSAGE:

IDENTIFICATION

AFOIN-2A1-55586

INFO:

COMDR 4602d AISS, ENT AFB  
COLORADO SPRINGS, COLO

explain observed erratic movements and tremendous speeds of supposed solid target. Temperature inversions can cause radar beam projected upward to bend down and pick up objects on the ground, appearing as objects in the air. Other strong evidence of weather return is disappearance of all targets simultaneously. Under certain conditions, inversion layers can cause interference between two radar stations some distance apart. Interference can be checked by changing frequency 20 to 40 megacycles, if settings can be varied. All can often be confusing to trained, experienced radar operators.

PART III: Specifically, track data submitted insufficient to determine nature of tracks whether erratic, rapidly changing speed and direction (as is usual in most sightings of this nature), or whether acceleration patterns and course changes are smooth. Reference to picking up "3 to 5 unidentified objects at 0850 Z" at least infers that targets not steady, but appearing and disappearing. If true, targets observed are somewhat similar in manner to Lakenheath-Bentwaters England sightings,

DETERMINED AT 3 YEARS  
CLASSIFICATION: UNCLASSIFIED  
DOD DIS 5200.10

UNCLASSIFIED

PAGE 2 OF 3 PAGES.

ROUTING

## JOINT MESSAGEFORM

COMMUNICATIONS CENTER NO.

UNCLASSIFIED

Classification Cancelled  
 (or changed to UNCLASSIFIED)  
 Auth Joint Chiefs of Staff  
 By TACPA (AF)  
 Date 27 Aug 67  
ATCNS-1 Serial 100

SPACE ABOVE FOR COMMUNICATIONS CENTER ONLY

FROM: (Originator)

COMDR ATIC

TO:

DI HQ USAF WASH DC

INFO:

COMDR 4602 AISS, ENT AFB  
COLORADO SPRINGS, COLO

of 13 August 1956, evaluation now being prepared under separate cover.

PART IV: Submission of data outlined in Part I above would therefore be required to permit a more thorough evaluation, of ~~any~~ firm conclusion. Request this information together with radar scope photos as expeditiously as possible.

## COORDINATION:

AEOIN-4E4	<u>H.A. Miley</u>	DATE: <u>4/5/56</u>
AFOIN-4E	<u>H.K. Gilbert</u>	DATE: <u>9/4/56</u>
AFOIN-4E1	<u>Col H.K. Gilbert</u>	DATE: <u>31 Aug 56</u>
AFOIN-4X1	<u>Col Hoffman</u>	DATE: <u>9/4/56</u>
	<u>A. F. Arcier</u>	

DOWNGRADED AT 3 YEAR INTERVALS;  
 DECLASSIFIED AFTER 12 YEARS.  
 DDQ DIR 5200.10

UNCLASSIFIED

RELEASING OFFICER'S SIGNATURE

DRAFTER'S NAME (and signature, where required)		PAGE <u>2</u> OF <u>3</u> PAGES	
<u>George T. Gregory</u>			
SYMBOL	TELEPHONE	OFFICIAL TITLE	WALLACE W. ELWOOD
AFOIN-4E4	69216	1st Lt., USAF	

TO FLD REPRESENTATIVE BUCKINGHAMSHIRE ENG  
INFO COMDR WPAFB OHIO PASS INFO TO COM ~~AS~~

UNCLASSIFIED

UNCLASSIFIED - NUP

FROM AFOIN-2A1 CITE 55846.

22

REF OUR MSG 55317 DTD 23 AUG CURR. PASS TO AIR DEPUTY SHAPE. THE FOLLOWING DATA RECEIVED FROM ATIC. "PART 1: INFO SUBMITTED IN UFO LIMITED AND INCOMPLETE UPON WHICH TO MAKE PROPER EVALUATION OR TO ARRIVE AT SOME FIRM CONCLUSION OR DETERMINATION REGARDING ORIGIN OR NATURE OF RADAR SIGHTING. MORE THOROUGH ANALYSES WOULD REQUIRE SUCH PERTINENT INFO AS RADAR SCOPE PHOTOS, WEATHER DATA, INCLUDING INFO ON TEMPERATURE INVERSIONS, MOISTURE LAPSE DATA, ACCURATE TABULATION OF RELATED TIMES, PLACES, BEARINGS, ALTITUDES, ANGULAR VELOCITIES OF SIGHTINGS, BOTH VISUAL AND ELECTRONIC, TYPE RADAR EQP, ETC. PART 2: THE TYPE OF INFO CITED ABOVE CAN INDICATE WHETHER OBJECTS OBSERVED SOLID OR DUE TO UNUSUAL WEATHER CONDITIONS IE ANOMALOUS PROPAGATION. EXAMPLES: A NUMBER OF BLIPS APPEARING AND DISAPPEARING INTERMITTENTLY ARE CHARACTERISTIC OF WEATHER RETURNS ON RADAR. UNUSUAL WEATHER CONDITIONS MAY ALSO EXPLAIN OBSERVED ERRATIC MOVEMENTS AND TREMENDOUS SPEEDS OF SUPPOSED SOLID TARGET. TEMPERATURE INVERSION CAN CAUSE RADAR BEAM PROJECTED UPWARD TO BEND DOWN AND PICK UP OBJECTS ON THE GROUND, APPEARING AS OBJECTS IN THE AIR. OTHER STRONG EVIDENCE OF WEATHER RETURN IS DISAPPEARANCE OF ALL TARGETS SIMULTANEOUSLY. UNDER CERTAIN CONDITIONS, INVERSION LAYERS CAN CAUSE INTERFERENCE BETWEEN 2 RADAR STATIONS SOME DISTANCE APART. INTERFERENCE CAN BE CHECKED BY CHANGING FREQUENCY 20 TO 40 MEGACYCLES, IF SETTINGS CAN BE VARIED. ALL ABOVE CAN OFTEN BE CONFUSING TO TRAINED, EXPERIENCED RADAR OPERATORS. PART 3: SPECIFICALLY, TRACK DATA SUBMITTED IN SUFFICIENT TO DETERMINE NATURE OF TRACK: WHETHER ERRATIC, RAPIDLY CHANGING SPEED AND DIRECTION AS IS USUAL IN MOST SIGHTINGS OF THIS NATURE, OR WHETHER ACCELERATION PATTERNS AND COURSE CHANGES ARE SMOOTH. REF TO PICKING UP QUOTE 3 TO 5 UNIDENTIFIED OBJECTS AT 0850Z UNQUOTE AT LEAST INFERS THAT TARGETS NOT STEADY, BUT APPEARING AND DISAPPEARING. IF TRUE, TARGETS OBSERVED ARE SOME WHAT SIMILAR IN MANNER TO LAKENHEATH BENTWATERS ENGLAND SIGHTINGS, OF 13 AUG CURR, EVALUATION NOW BEING PREPARED UNDER SEPARATE COVER. PART 4: SUBMISSION OF DATA OUTLINED IN PART 1 ABOVE WOULD THEREFORE BE REQUIRED TO PERMIT A MORE THOROUGH EVALUATION, OR FIRM CONCLUSION. UNQUOTE. REQUEST INFO OUTLINED IN PART 1 ABOVE BE FORWARDED DIRECTLY TO COMMANDER, ATIC, WPAFB WITH INFO COPY TO HIS HQS

Not rec'd as of 25 Jan 1957.

- 476

**PARAPHRASE, PRINT INFORMATION, EXCEPT PRIOR TO  
CATEGORY 3, AND TYPICALLY REMOVE  
ALL INTERNALS. . . DATE-TIME GROUP  
PRIOR TO DECLASSIFICATION**

1) 4E4  
2) 4F2  
3 - 4X2

**DECLASSIFIED AT 3 YEAR INTERVAL  
DECLASSIFIED AFTER 12 YEARS.**

Classification Cancelled  
(or changed to ~~UNCLASSIFIED~~)  
Auth. Quinton L. ST  
By TRDPT (LSS)  
Date 21 Jan 69  
AFR 205-1 form

UNCLASSIFIED

Incl. #5

# DISPOSITION FORM

SECURITY CLASSIFICATION (If any)

**UNCLASSIFIED**

FILE NO.

SUBJECT (U) Request for Evaluation or Information -- UFO  
Sighting by Bornholm Radar

TO AFOIN-4E3

FROM AFOIN-4E

DATE 26 Sept 56 COMMENT NO. 1  
4E4/Capt G.T.Gregory/1c/69216

1. In accordance with established ATIC policies for the review of UFO reports, request your evaluation, comments or information regarding the four (4) attached teletype reports (inclosures 1 through 4).

2. Original messages indicate that a copy of each message was routed to your division. Therefore, if any evaluation or comment has been made, on your part, request the results be made known to this office.

3. An analysis and comment regarding the electronic aspects of this sighting has been made by AFOIN-4E1 (see Inclosure #5).

4. Specifically, request any information concerning missile or related activities known to have taken place on 22 August 1956 and falling within the radar coverage of the Bornholm radar, as a possible explanation to the reported sighting.

5. Expedited action regarding this request would be appreciated.

*H.K. Gilbert*

H. K. GILBERT  
Colonel USAF  
Deputy for Science and Components

5 Incls:

1. TT Msg T56-19342-1
2. TT Msg T56-19344-1
3. TT Msg T56-19343-1
4. TT Msg T56-19341-1
5. TT Msg T56-20621-1

DEGRADED AT 3 YEAR INTERVALS;  
DECLASSIFIED AFTER 12 YEARS.  
DOD DIR 5200.10

**UNCLASSIFIED**

Classification Cancelled  
(or changed to unclassified)  
Auth. J. G. G., USAF  
By J. G. G., USAF  
Date 22 Dec 69  
AFR 205-1 page 1 of 26

**UNCLASSIFIED**

SUBJECT: (U) Request for Evaluation or Information — UFO Sighting by  
Bornholm Radar

TO: AFOIN-4E

FROM: AFOIN-4F3

DATE: 3 Oct 56 COMMENT NR 2  
AFOIN-4F3c/Maj Conway/js  
54186/Bldg 263/P A14

1. Due to incompleteness and insufficiency of data it is not possible to arrive at a firm conclusion.
2. The existance of several orbiting objects in the air at the same time does not exclude the possibility of guided missiles, but does not conform to existing test and flight philosophy for guided missiles in this country.
3. There is no other information concerning missile or related activity known to have taken place on 22 August 1956 and falling within the radar coverage of the Bornholm radar.

5 Incls  
n/c

*John Conway Maj*  
for JAMES C. MANATT  
Lt Colonel, USAF  
AFOIN-4F3

REVIEW AND DECLASSIFICATION INTERVALS:  
DECLASSIFY AFTER 12 YEARS.  
DOD DIR 5200.10

Classification Cancelled  
(or changed to UNCLASSIFIED)  
Auth. Quinton T. Goss, USAF  
By T.D.P. (AFO)  
Date 27 Jan 69  
*AFOIN-4F3*

**UNCLASSIFIED**

*Bornholm cont*  
4 October 1956

MEMORANDUM FOR COL JOHNSON AND COL GREEN

SUBJECT: Bornholm Radar UFO Sighting

1. During one of Mr. Arcier's recent visits to Gen Lewis, a query was made regarding the status of subject sighting. AFOIN-4's findings on the basis of the limited information submitted is that these objects which present themselves on the Bornholm Radar scopes were the result of anomalous propagation, i.e., the number of blips suddenly appearing and disappearing are characteristic of unusual weather conditions which does effect radar.

2. In respect to this phenomena being guided missiles, ATIC's evaluation is that the existence of several orbiting objects in the air at the same time does not exclude the possibility of guided missiles. However, this does not conform to existing tests and flight philosophy for guided missiles. Also, there is no information concerning missile or related activity known to have taken place on 22 August 1956 and fall within the radar coverage of the Bornholm Radar. We have requested more information on the Bornholm Radar with view to arriving at a more firm conclusion.

3. Would appreciate if the above information, in substance, be passed on to Gen Lewis.

*George T. Gregory*

GEORGE T. GREGORY  
Captain, USAF  
AFOIN-4